## ABSTRACT

Substantially pure glycosidases capable for cleaving selected glycosidic bonds have been described including glycosidases isolated from *Xanthomonas* and recombinant glycosidases. Substrate specificity of isolated enzymes have been identified for GlcNacβ1-X, Galα1-3R, Galα1-6R, Galβ1-3R, Fucα-2R, Fucα1-3R, Fucα1-4R, Manα1-2R, Manα1-3R, Manα1-6R, Manβ1-4R, Xylβ1-2R, Glcβ1-4R, and Galβ1-4R providing improved capability for selectively cleaving a glycosidic linkage in a carbohydrate substrate and for forming modified carbohydrates.